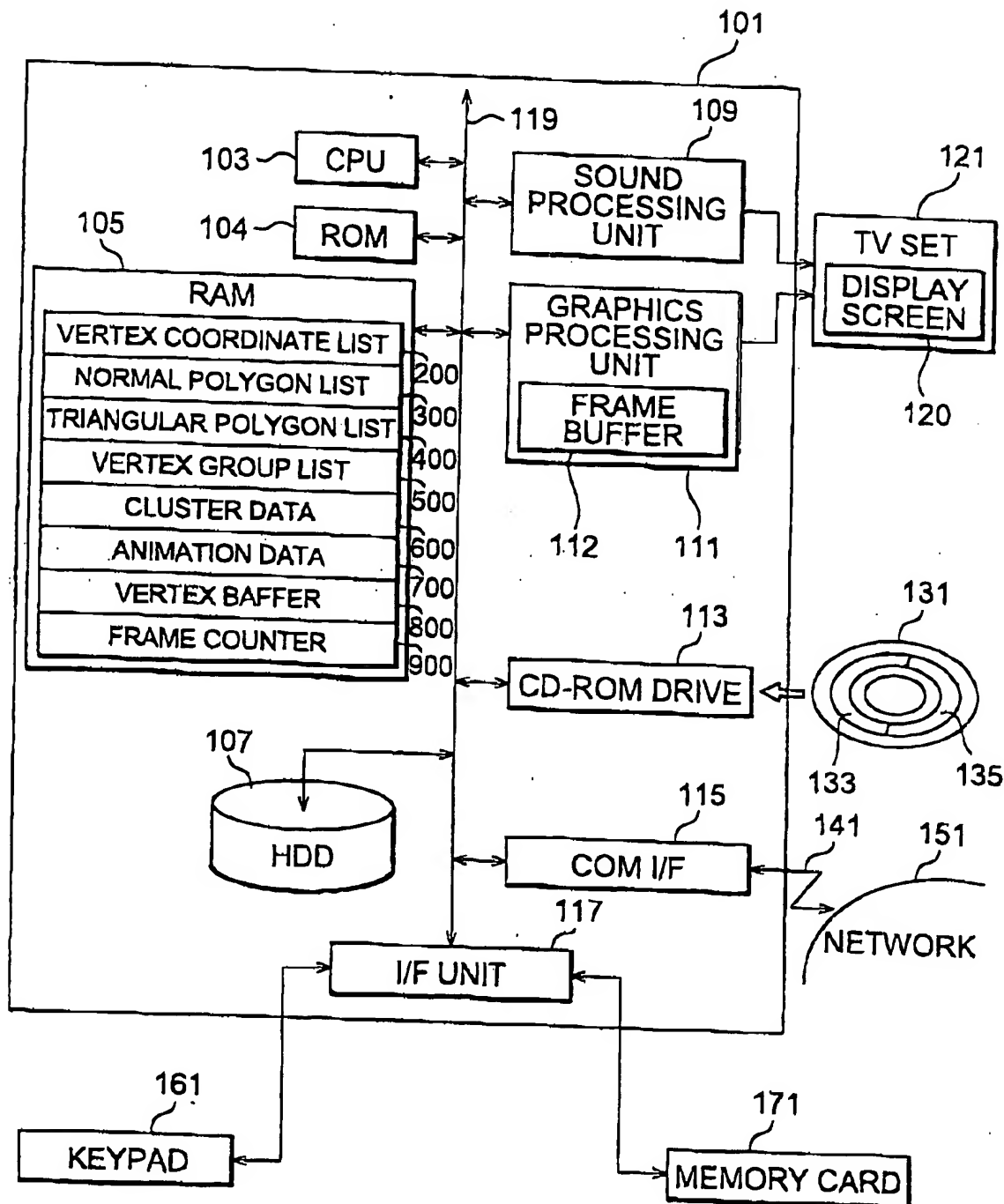


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Fig. 1Jc841 U.S. PTO
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Fig.2

210 200 220

| INDEX | COORDINATES (x,y,z) |
|-------|---------------------|
| vtx0 | (-8,1,-2) |
| vtx1 | (-5,4,2) |
| vtx2 | (-5,0,0) |
| vtx3 | (5,0,0) |
| vtx4 | (5,4,2) |
| vtx5 | (8,1,-2) |
| ⋮ | ⋮ |

Fig.3

310 300 320

| INDEX | NORMAL VECTOR (x,y,z) |
|-------|-----------------------|
| nml0 | (1,0,0) |
| nml1 | (-1,0,0) |
| nml2 | (0,0,-1) |
| nml3 | (-1,-1,0) |
| nml4 | (0,-1,0) |
| ⋮ | ⋮ |

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Fig.4

400

| 410 INDEX | 420 VERTEX0 | 430 VERTEX1 | 440 VERTEX2 |
|--------------|----------------|----------------|----------------|
| plg0 | vtx0 / nml0 | vtx1 / nml2 | vtx2 / nml3 |
| plg1 | vtx0 / nml1 | vtx2 / nml3 | vtx3 / nml4 |
| ⋮ | ⋮ | ⋮ | ⋮ |

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Fig.5

500

| | | | | | |
|-----|--------------------|------|--------|-----|-----|
| 510 | NUMBER OF GROUPS | | | 3 | |
| 520 | NUMBER OF VERTEXES | | | 6 | |
| 530 | VERTEX | vtx0 | WEIGHT | 0.5 | 540 |
| 532 | VERTEX | vtx1 | WEIGHT | 1.0 | 542 |
| 534 | VERTEX | vtx2 | WEIGHT | 1.0 | 544 |
| 536 | VERTEX | vtx3 | WEIGHT | 1.0 | 546 |
| 538 | VERTEX | vtx4 | WEIGHT | 1.0 | 548 |
| 539 | VERTEX | vtx5 | WEIGHT | 0.5 | 549 |
| 522 | NUMBER OF VERTEXES | | | 2 | |
| 550 | VERTEX | vtx4 | WEIGHT | 0.3 | 560 |
| 552 | VERTEX | vtx6 | WEIGHT | 0.2 | 562 |
| 524 | NUMBER OF VERTEXES | | | 1 | |
| 554 | VERTEX | vtx7 | WEIGHT | 0.5 | 564 |

VERTEX GROUP 0

VERTEX GROUP 1

VERTEX GROUP 2

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Fig.6

600

| | | | |
|-----|-----------------------------------------|---------|---------|
| 610 | NUMBER OF CLUSTERS | 2 | |
| 620 | CLUSTER INDEX | clust 0 | clust 0 |
| 622 | REF PARALLEL MOVEMENT AMOUNT (x,y,z) | (0,0,0) | |
| 624 | NUMBER OF VERTEX GROUPS | 2 | |
| 626 | VERTEX GROUP ID | 3 | |
| 628 | VERTEX GROUP ID | 2 | |
| 630 | CLUSTER INDEX | clust 1 | clust 1 |
| 632 | REF PARALLEL MOVEMENT AMOUNT (x,y,z) | (0,0,0) | |
| 634 | NUMBER OF VERTEX GROUPS | 1 | |
| 636 | VERTEX GROUP ID | 0 | |

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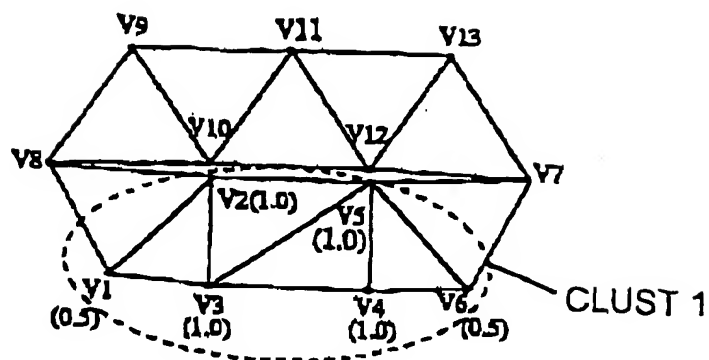
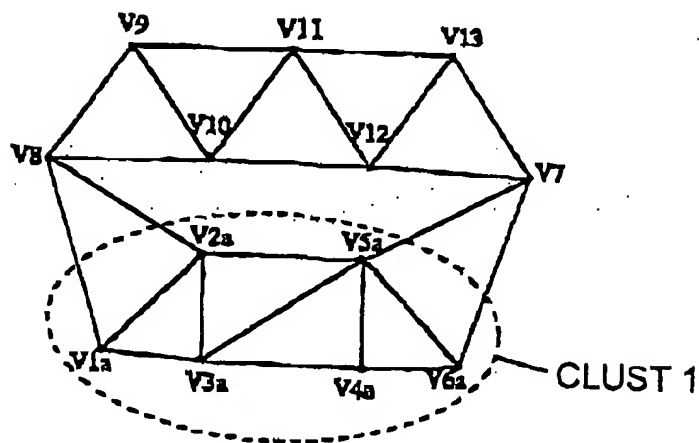
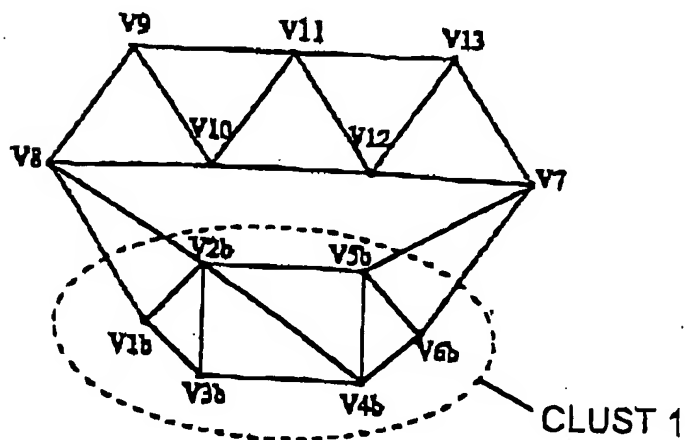
Fig.7A

| | |
|---------------------------|---------------------------------|
| 710 NUMBER OF CLUSTERS | 720 700A NUMBER OF FRAMES |
| 2 | 10 |

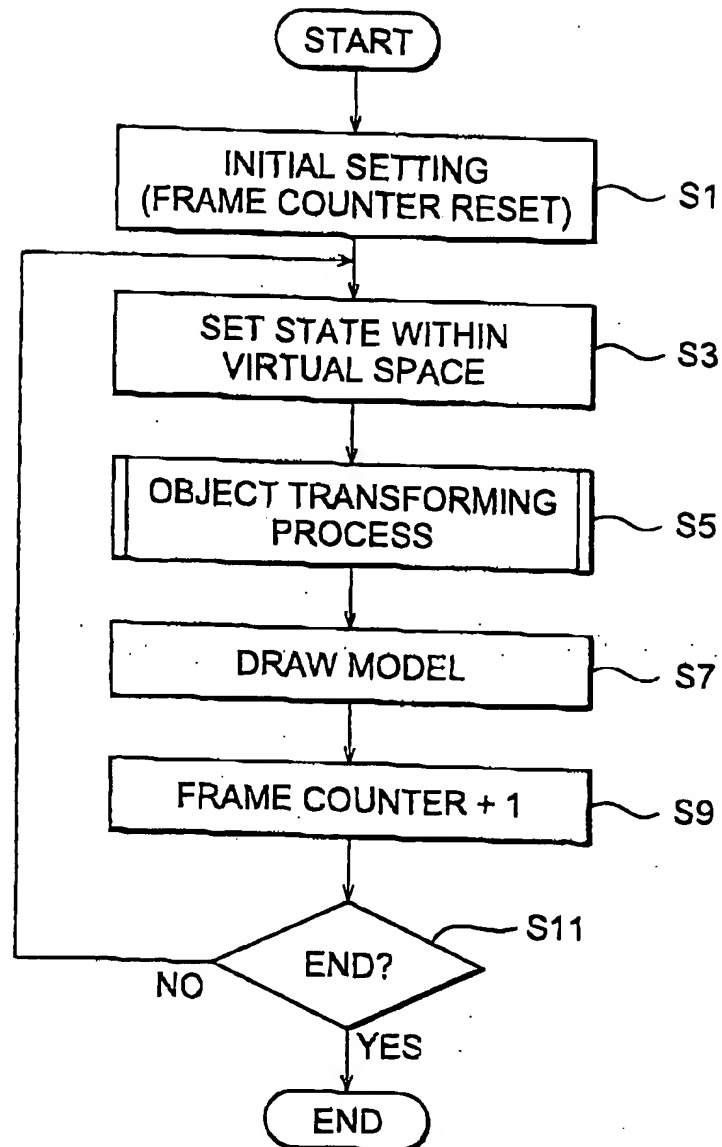
Fig.7B

| | | |
|----------------------|-----------------------------------------------------------|---------|
| 730 CLUSTER INDEX | 700 740 700B PARALLEL MOVEMENT AMOUNT (x,y,z) | |
| CLUST 0 | (0,0,0) | FRAME 0 |
| CLUST 1 | (0,0,0) | |
| CLUST 0 | (1,0,0) | FRAME 1 |
| CLUST 1 | (-1,0,0) | |
| ⋮ | ⋮ | |
| CLUST 0 | (10,5,1) | FRAME 9 |
| CLUST 1 | (-12,0,0) | |

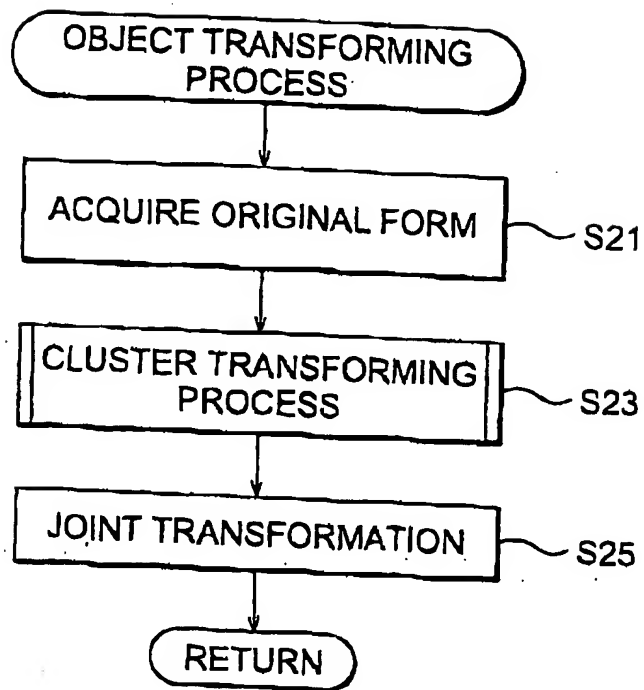
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Fig.8A**Fig.8B****Fig.8C**

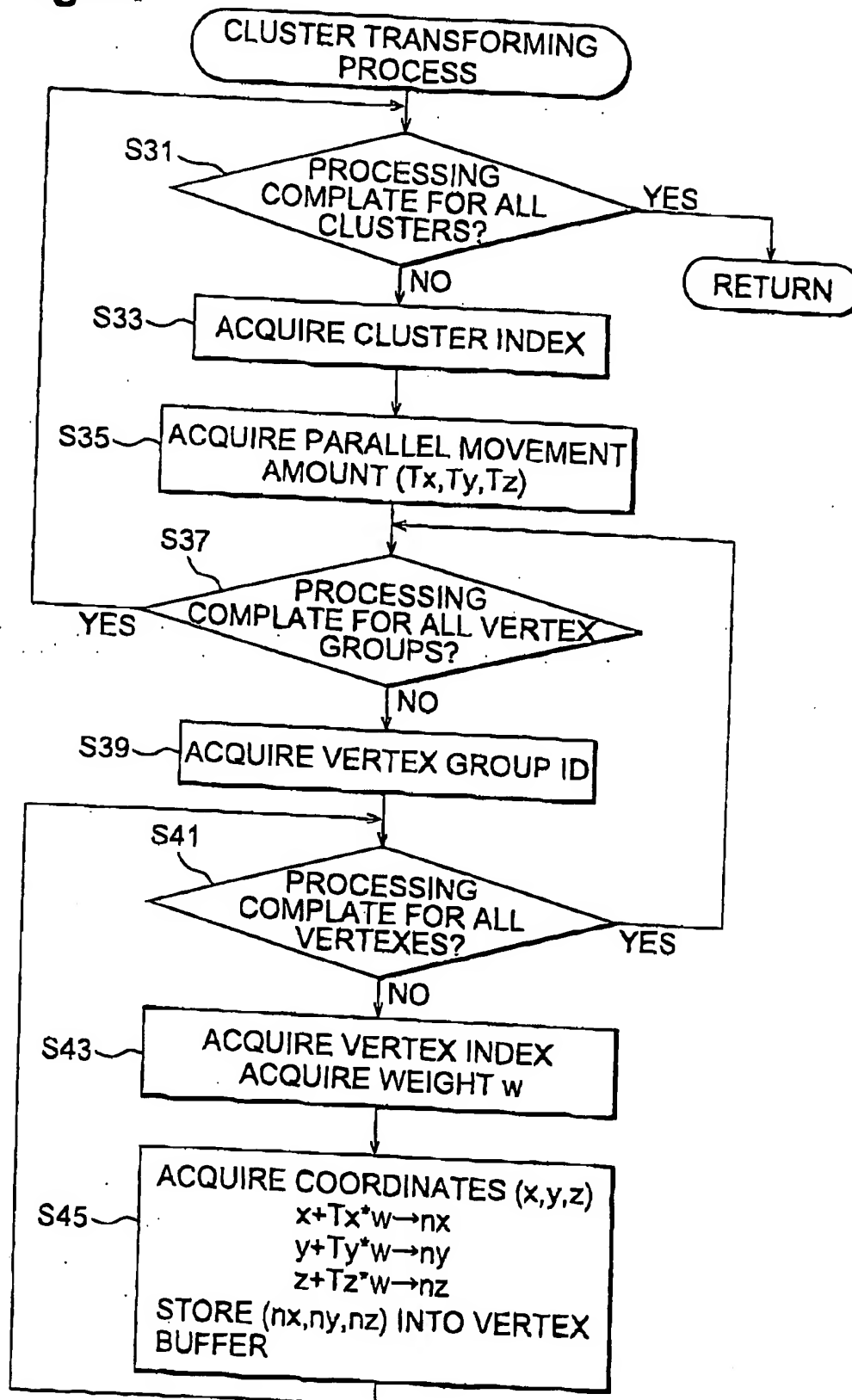
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Fig.9

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Fig.10

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Fig.11

FP00-0103-00

Fig.12

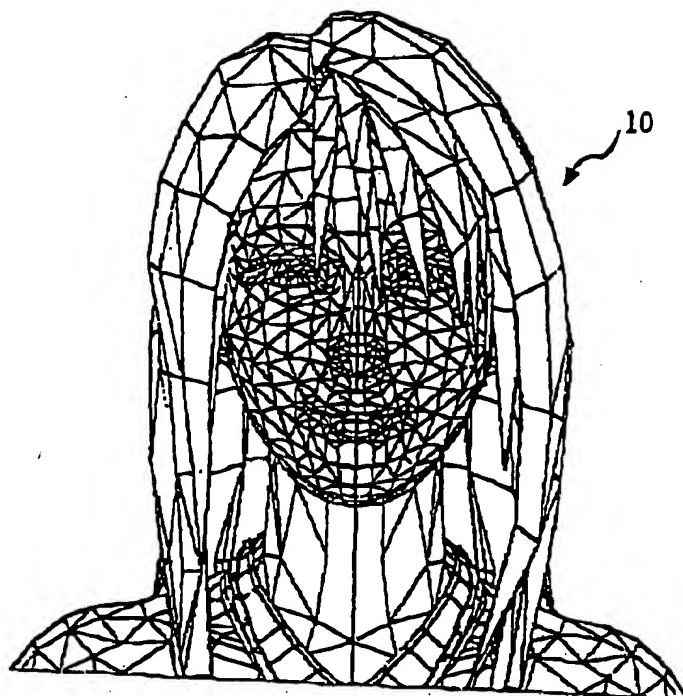
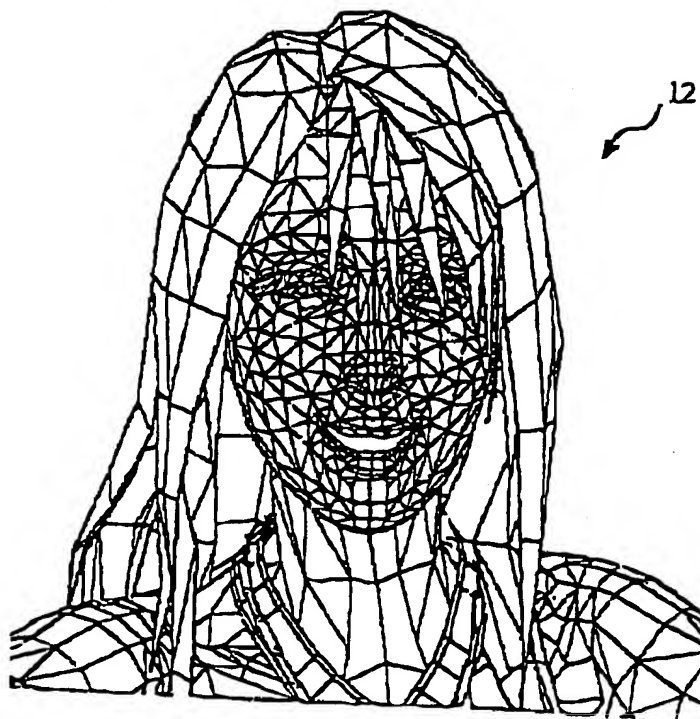


Fig.13



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Fig.14



120

Fig.15



120